

Title (en)
ENDODONTIC HAND FILE AND METHODS FOR ATTACHMENT

Title (de)
ENDODONTISCHE HANDFEILE UND BEFESTIGUNGSVERFAHREN

Title (fr)
LIME ENDODONTIQUE ET PROCÉDÉS DE FIXATION

Publication
EP 3624725 A4 20210224 (EN)

Application
EP 18802852 A 20180514

Priority
• US 201715598950 A 20170518
• US 2018032591 W 20180514

Abstract (en)
[origin: US10130443B1] A dental instrument is designed to help facilitate the procedure of root canal therapy and can reduce the inaccuracies that are accompanied with using traditional methods of attaching an electronic apex location (EAL) to an endodontic hand file. The endodontic hand file can include an exposed window in the handle of the file that holds an extension of the main body of the file. The clasp from the EAL can attach to this exposed metal in the window of the handle. This new location for attaching the EAL to the hand file can provide an accurate measurement while removing variables such as file movement in the canal, stopper thickness, clearance from the opposing tooth. The endodontic hand file with its exposed window provides a safe, reliable and accurate way of using an EAL to measure the root canal length.

IPC 8 full level
A61C 5/42 (2017.01); **A61C 5/44** (2017.01)

CPC (source: EP US)
A61C 5/42 (2017.01 - EP US); **A61C 5/44** (2017.01 - US); **A61C 19/042** (2013.01 - EP US); **A61C 5/40** (2017.01 - US)

Citation (search report)
• [X] FR 1424534 A 19660114 - MICRO MEGA SA
• [A] JP H09154853 A 19970617 - MANII KK
• See references of WO 2018213197A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
US 10130443 B1 20181120; **US 2018333223 A1 20181122**; CN 110691560 A 20200114; CN 110691560 B 20210316; EP 3624725 A1 20200325; EP 3624725 A4 20210224; EP 3624725 B1 20221026; WO 2018213197 A1 20181122

DOCDB simple family (application)
US 201715598950 A 20170518; CN 201880032755 A 20180514; EP 18802852 A 20180514; US 2018032591 W 20180514